Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/16/2017 10:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124673	-1	2.17	124561	2.09
Blue	F	SSC	125000	122461	-3	3.35	122738	3.09
Blue	E	FITC	23795	22855	-4	3.01	1017	10.65
Blue	D	PE	29673	29212	-2	2.69	1049	10.32
Blue	B	PerCP-Cy5-5	48943	48065	-2	3.92	1381	17.96
Blue	A	PE-Cy7	44112	44241	0	5.66	682	38.07
Red	C	APC	54273	53506	-2	2.89	3087	9.76
Red	A	APC-Cy7	54945	54329	-2	2.90	1125	11.38
Violet	B	V450	15756	14978	-5	4.03	716	9.16
Violet	A	V500	62569	60783	-3	3.77	2689	6.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19771	3.43	615	1	N/A	N/A	Pass
Blue	F	SSC	60525	2.12	547	1	N/A	N/A	Pass
Blue	E	FITC	114	39.65	550	0	0.0197	156	Pass
Blue	D	PE	229	29.14	549	3	0.1413	192	Pass
Blue	B	PerCP-Cy5-5	215	46.67	641	2	0.0088	56	Pass
Blue	A	PE-Cy7	71	129.04	699	0	0.0103	13	Pass
Red	C	APC	362	27.74	601	1	0.0188	16	Pass
Red	A	APC-Cy7	122	42.36	580	-4	0.0054	1832	Pass
Violet	B	V450	85	43.04	470	-2	0.0435	1781	Pass
Violet	A	V500	195	23.08	498	-1	0.0134	323	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.26	-30.74	0.92
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	15.96	13.27 - 19.91	N/A	N/A	30.57	31.25	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14794

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments